NETWORK STACK LAYER INTERFACE

ABSTRACT OF THE DISCLOSURE

[0173] A network stack layer interface is provided for efficient communication between network stack layers. The network stack layer interface includes a header portion that defines various characteristics of the network stack layer interface. In addition, a buffer descriptor is included that defines data that was, or will be, transmitted over the computer network. The buffer descriptor includes a memory address pointer to the data. In this manner, information is passed between network stack layers via the network stack interface, resulting in fast network data transfer with reduced data copying.